WHAT IS CLAIMED IS:

1	1. A storage disk device driver architecture comprising:
2	a RAID class driver having a physical device object representing a RAID
3	system comprised of a plurality of disks, each disk associated with a functional device object
4	adapted to interface with a physical device object representing the disk and providing a
5	RAID-specific device identification.
l	2. The storage disk device driver architecture of claim 1, wherein the
2	physical device object providing a RAID-specific device identification is included in a disk
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3	controller driver adapted to interface with a disk controller.
1	3. The storage disk device driver architecture of claim 1, wherein the
2	physical device object representing the RAID system is adapted to provide a standard disk
3	device identification to an operating system.
1	4. The storage disk device driver architecture of claim 1, wherein the
2	RAID class driver is adapted to combine each disk into a RAID system.
1	5. The storage disk device driver architecture of claim 4, wherein in
2	response to receiving a request to write a data block to RAID system, the RAID class driver
3	is adapted to mirror the data block on at least a portion of the plurality of disks via the
4	associated functional device objects.
l -	6. The storage disk device driver architecture of claim 4, wherein in
2	response to receiving a request to write a first and second data block to RAID system, the
3	RAID class driver is adapted to write via the associated functional device objects the first
4	data block to a first portion of the plurality of disks and to write via the associated functional
5	device objects the second data block to a second portion of the plurality of disks.
1	7. The storage disk device driver architecture of claim 4, wherein in
2	response to receiving a request to write a first and second data block to RAID system, the
3	RAID class driver is adapted to write via the associated functional device objects an error
4	correction block to a portion of the plurality of disks.
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- 1 8. The storage disk device driver architecture of claim 1, wherein the 2 physical device object representing a RAID system is a child of a RAID controller functional 3 device object adapted to interface with a RAID controller physical device object.
- 1 9. The storage disk device driver architecture of claim 1, wherein the 2 RAID class driver is adapted to configure the physical device object representing a RAID 3 system according to RAID configuration data stored in a computer system configuration 4 memory.
- 1 10. The storage disk device driver architecture of claim 1, wherein a first 2 portion of the plurality of disks is associated with a first disk controller of a first type and a 3 second portion of the plurality of disks is associated with a second disk controller of a second 4 type.
- 1 11. The storage disk device driver architecture of claim 10, wherein the 2 first type is an EIDE type controller and the second type is a SCSI type controller.
- 1 12. The storage disk device driver architecture of claim 10, wherein the 2 first type is a serial ATA type controller and the second type is a parallel ATA type controller.
 - 13. The storage disk device driver architecture of claim 10, wherein the second type is a controller for an external disk.

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- 14. The storage disk device driver architecture of claim 1, wherein the RAID class driver is adapted to optimize data access by combining separate data access operations associated with a disk of the RAID system into a single data access operation.
- 15. An integrated circuit adapted to perform core logic functions of a computer, the integrated circuit comprising:
- a RAID controller adapted to induce an operating system to load a RAID class driver having a physical device object representing a RAID system comprised of a plurality disks;
 - a first disk controller adapted to interface with at least a portion of the plurality of disks and further adapted to induce the operating system to load a disk controller driver,

- wherein the disk controller driver is adapted to provide RAID-specific device identifications for the portion of the plurality of disks.
 - 16. The integrated circuit of claim 15, wherein the physical device object representing the RAID system is adapted to provide a standard disk device identification to an operating system.

- 17. The integrated circuit of claim 15, wherein in response to receiving a request to write a data block to the RAID system, the integrated circuit is adapted to mirror the data block on at least a portion of the plurality of disks.
- 18. The integrated circuit of claim 15, wherein in response to receiving a request to write a first and second data block to the RAID system, the integrated circuit is adapted to write the first data block to a first subset of the portion of the plurality of disks and to write the second data block to a second subset of the portion of the plurality of disks.
- 19. The integrated circuit of claim 15, wherein in response to receiving a request to write a first and second data block to the RAID system, the integrated circuit is adapted to write an error correction block to at least a subset of the portion of the plurality of disks.
- 20. The integrated circuit of claim 19, wherein the integrated circuit is adapted to determine the value of an error correction block from the first and second data block.
- 21. The integrated circuit of claim 15, wherein the integrated circuit is adapted to configure the physical device object representing a RAID system according to RAID configuration data stored in a computer system configuration memory.
- 22. The integrated circuit of claim 15, further adapted to interface with a second disk controller, wherein the second disk controller adapted to interface with at least a second portion of the plurality of disks and further adapted to induce the operating system to load a second disk controller driver, wherein the second disk controller driver is adapted to provide RAID-specific device identifications for the second portion of the plurality of disks.
- 23. The integrated circuit of claim 15, further including a second disk controller adapted to interface with at least a second portion of the plurality of disks and

- 3 further adapted to induce the operating system to load a second disk controller driver,
- 4 wherein the second disk controller driver is adapted to provide RAID-specific device
- 5 identifications for the second portion of the plurality of disks.
- 1 24. The integrated circuit of claim 23, wherein the first disk controller is of 2 a first type and the second disk controller is of a second type.
- 1 25. The integrated circuit of claim 24, wherein the first type is an EIDE 2 type controller and the second type is a SCSI type controller.
- 1 26. The integrated circuit of claim 24, wherein the first type is a serial 2 ATA type controller and the second type is a parallel ATA type controller.
- 1 27. The integrated circuit of claim 24, wherein the second type is a 2 controller for an external disk.